In re Application of Mayers et al. Application Ser. No. 10/789,000

Application Ser. No. 10/789,000

Response to Office Action dated June 24, 2011

Amendment dated July 22, 2011

IN THE CLAIMS:

Please amend claim 1. The remaining claims read as follows:

1. (Currently Amended) An abuse-resistant, cast acoustical ceiling tile

having a core made from a wet composition of starch gel and mineral wool fiber, with the

starch gel ranging from 75 to 83 weight percent of the core composition and the mineral

wool fibers ranging from 17 to 25 weight percent of the core composition, wherein a

front surface of the tile core includes aggregate particles pressed into said surface prior to

drying of the composition, said aggregate particles have an average particle mean

diameter of at least about 1,000 microns and wherein said starch gel comprises at least

about 82.7 weight % water.

2. (Original) The ceiling tile of claim 1 wherein the aggregate particles

are selected from the group consisting of calcium carbonate, crushed marble, sand, clay,

perlite, vermiculite, crushed stone and glass.

3. (Original) The ceiling tile of claim 2 wherein the aggregate particles

are calcium carbonate.

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(Original) The ceiling tile of claim 3 wherein the aggregate particles

have an average particle mean diameter ranging from about 1,000 microns to about 3,000

microns.

5. (Original) The ceiling tile of claim 3 wherein the aggregate particles

have an average particle mean diameter ranging from about 1,400 microns to about 2,500

microns.

6. (Original) The ceiling tile of claim 1 which has a noise reduction

coefficient (NRC) value of at least about 0.50.

7. (Original) The ceiling tile of claim 2 which has a noise reduction

coefficient (NRC) value of at least about 0.50.

8. (Original) The ceiling tile of claim 3 which has a noise reduction

coefficient (NRC) value of at least about 0.50.

9. (Original) The ceiling tile of claim 4 which has a noise reduction

coefficient (NRC) value of at least about 0.50.

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10 - 14. (Canceled)

- 15. (Previously Presented) The ceiling tile of claim 1 wherein the aggregate is pressed using a roller.
- 16. (Previously Presented) The ceiling tile of claim 1 wherein the aggregate is pressed using a plate.